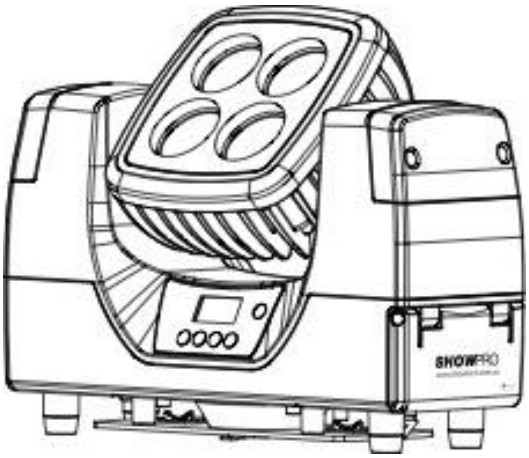
User Manual



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SHOWPRO

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1. Safety Instructions

FOR SAFE AND EFFICIENT OPERATION

Be careful with heat and extreme temperature.
Avoid exposing it to direct to rays of sun.
Operate only between 41°F/5°C and 95°F/35°C.

Keep away from humidity, water and dust.
Do not place the use in a location with high humidity or lots of dust.

It is ideal to use the Hercules away from such equipment:
Transformer motor, tuner, TV set and amplifier.

Avoid placing on un-stable location
Select a level and stable location to avoid vibration.

Do not use chemicals or volatile liquids for cleaning
Use a dry cloth to wipe off dust, or a wet soft cloth for stubborn dirt.

NO USER SERVICABLE PARTS INSIDE.
If unit is out of service, please contact your point of purchase.

If any troubles arise, remove the power plug and contact your ShowPro representative for repair. Do not open the machine by yourself, it might result a danger of electric shock.

Take care with the power cable. Never pull the power cable to remove the plug from the receptacle, be sure to hold the plug.

When not using the unit for an extended period of time be sure to disconnect the plug form the receptacle.

1.1 Power Connection

AC Power This product has an auto-ranging power supply that can work with an input voltage range of 100–240 VAC, 50/60 Hz.

AC Plug

Connection	Wire
AC Live	Brown
AC Neutral	Blue
AC Ground	Green/Yellow

Battery Charge Notes

· Recharge the battery within three days from last use.
· Recharge the battery to full capacity before storing this product.
· For best results, charge the battery in a temperature between 0 ºC and 35 ºC.
· When charging the battery, keep the product at no less than 1 m from any open flame or hot plate.
· When charging the battery inside the road case charger, keep the road cases cover open.
· When charging ensure there is sufficient airflow in front of the air vent.
· Always charge the battery with the product in an upright position.
· Do not charge the battery for more than 24 hours.
· Perform a full discharge/recharge cycle every three months.
· Indicators inside the road case will show the status of charging. RED=Charging, GREEN=Complete

Be sure to remove rubber plug from the bottom of the product before charging in the road case.

Replacing the Fuse The Hercules has no external fuse. However, the road case charger comes with a replaceable fuse.

1. Disconnect this product from power.
2. Using a flat-head screwdriver, unscrew the fuse holder cap from the housing.

3. Remove blown fuse and replace with a good fuse of the same type and rating.
4. Screw the fuse holder cap back in place and reconnect power.

1.2 Overhead Rigging

This item must be built in a way that it can hold 10 times more of its weight for 1 hour without causing any damage. The installation must be secured with a secondary safety attachment. The Safety attachment has to be constructed in a way that no part of the installation can fall. When rigging, de-rigging or servicing the fixture ensure that the area below is secure. Before putting the device into operation, the installation must be approved by an expert. The operator has to make sure that safety-relating and machine-technical installations are approved by a skilled person once a year.

IMPORTANT! OVERHEAD RIGGING REQUIRES EXTENSIVE EXPERIENCE.
Including (but not limited to) calculating working load limits, installation material being used, and periodic safety inspection of all installation material and the projector. If you lack these qualifications, do not attempt the installations yourself, but instead use a professional structural rigger. Improper installation can result in bodily injury and/or damage to property.

Use only professional trussing system if the item is to be lowered from the ceiling or high joists. Never let the device swing freely in a room.

CAUTION: Overhead Items may cause serious injuries when not installed correctly!! If there is concern about the safety DO NOT INSTALL the device.

DANGER OF FIRE!
When installing the device, make sure there is no highly-flammable material (decoration articles, etc.) within a distance of min. 0.5m.

Mount the projector with the mounting bracket to your trussing system using an appropriate clamp.
For overhead use, always install a rated safety - wire that can hold at least 10 times the weight of the fixture. You must only use rated safety – wire with quick links with screw cap. Pull the rated safety - wire through the hole in the mounting bracket and over the trussing system or a safe fixation spot. Insert the end in the quick link and tighten the safety screw. The maximum drop distance must never exceed 20cm
A safety - wire which has already held the strain of a fall or which is defective must not be used again.

IMPORTANT!
Before taking into operation for the first time, the installation has to be approved by an expert.

1.3 DMX Connection

DMX Linking the Hercules will work with a DMX controller using a 5-pin DMX serial connection.

DMX Connection the Hercules uses a 5-pin DMX data connection for its DMX personalities:

4 Ch, **6 Ch**, **10Ch**, **HSI** and **HSV**. See the User Manual for information about connecting and configuring the product for DMX operation.

Master/Slave Connection the Hercules uses the DMX data connection for its Master/Slave mode.

Master/Slave mode not available in wireless operation.

Wireless Operation The Hercules can operate in W-DMX™ mode up to 300 m (900 ft) from the W-DMX™ transmitter. The W-DMX™ receiver in the Hercules must be paired with the W-DMX™ transmitter for wireless operation.

Initial Setup

1. Turn the W-DMX™ transmitter on.
2. Connect the W-DMX™ transmitter to a DMX controller.
3. Place the Hercules within 300 m from the W-DMX™ transmitter.
4. Disconnect any DMX cable from the Hercules.
5. Turn the Hercules on.

Configuration

1. From the Hercules's control panel, go to **DMX Address**.
2. Select the start address, as with any other DMX compatible product.
3. Go to **Wireless Setting > Receive**. 4. Select **On**. (The Signal Strength Indicator will show a **?** in front of the bars)
5. Press the reset button on the W-DMX™ transmitter. (The Signal Strength Indicator on the Hercules will show a ϟ in front of the bars for 3 seconds while a connection is established.)

Product Pairing If the Hercules has already been paired with the W-DMX™ transmitter, the Signal Strength Indicator in the middle of the LCD screen will show the strength of the signal. In this case, the Hercules is ready to work in Wireless mode.

Pairing the Hercules and a new W-DMX™ transmitter

1. From the Hercules's control panel, go to **Wireless Setting**.
2. Select **Reset**. The Signal Strength Indicator on the Hercules will show a **?** in front of the bars.
3. From the W-DMX™ transmitter, press <**RESET**> (the Signal Indicator on the transmitter will flash).
4. Once the transmitter has found the Hercules, the Signal indicator on the W-DMX™ transmitter will illuminate solid.
5. The Signal Strength Indicator in the middle of the LCD screen on the Hercules will show the strength of the signal.

Storage Notes

· Always store the product in an upright position (≤ 10º tilt).
· Recharge the battery to full capacity before storing the product.
· Store charged product(s) in a dry environment, away from direct sunlight.

W-DMX™ operation can be interrupted or inhibited by liquid masses between the transmitter and receiver such as water, snow, or people. For best results, keep the area between the transmitter and receiver clear of any liquid mass.

1.4 Cleaning and Maintenance

Please make sure that safety-relating and machine-technical installations are inspected by a skilled person once a year.

1. Make sure before installing that all screws are tightly connected and not corroded.
2. There must be no deformations on the housings, fixations and installations spots
3. Any defects on the electronics, power cables or housing must be repaired for safe use.

If the exterior of the unit is going to be cleaned, please use moist, lint free cloths. Never use alcohol or solvents.

The Cooling fan must be cleaned monthly and check to ensure it is free of obstructions.

To clean the interior of the device please use a vacuum cleaner or an air jet, however we recommend cleaning the lenses weekly to ensure the best output from your unit.

2.0 Menu Navigation

Menu			
Auto Show	Auto	Speed	Default：Auto 0
	<Auto 0>	0~100	
	<Auto 1>	0~100	
	<Auto 2>	0~100	
	<Auto 3>	0~100	
	<Auto 4>	0~100	
Static	<Fixed Color>	Fixed Color	Default：RGBW
		<R>	
		<G>	
		<B>	
		<W>	
		<GB>	
		<RB>	
		<RG>	
		<RGB>	
		<RW>	
		<GW>	
		<BW>	
		<RGW>	
		<RBW>	
		<GBW>	
		<RGBW>	
	<Manual Color>	Value	Default：RGBW=255
		<R=0-255>	
		<G=0-255>	
		<B=0-255>	
		<W=0-255>	

Dimmer Mode	<Off> <Dimmer 1> <Dimmer 2> <Dimmer 3>		Default：Off
Back Light	<On> <10S> <20S> <30S>		Default：On
Information	Auto Test Fixture Hours Version	Test <9999> <V1.0>	
DMX Address	001-512		Default：001
DMX Channel	<4Ch> <6Ch> <10Ch> <HSV> <HSI>		Address：1-509 Address：1-507 Address：1-503 Address：1-510 Address：1-510
Master/Slave	<Master> <Slave>		Default：Slave
Wireless Setting	Receive Reset	On Off Reset	Default：Off
White Balance	Balance <R=255> <G=255> <B=255>	Value <R=255> <G=255> <B=255>	Default：RGB=255 R：125-255 G：125-255 B：125-255

3.0 DMX Allocation

4-CH	Function	Value	Percent/Setting
1	Red	000-255	0~100%
2	Green	000-255	0~100%
3	Blue	000-255	0~100%
4	White	000-255	0~100%
6-CH			
1	Dimmer	000-255	0~100%
2	Red	000-255	0~100%
3	Green	000-255	0~100%
4	Blue	000-255	0~100%
5	White	000-255	0~100%
6	Strobe	000-010 011-255	NO Function Slow to Fast
10CH			
1	Dimmer	000-255	0~100%
2	Red	000-255	0~100%
3	Green	000-255	0~100%
4	Blue	000-255	0~100%
5	White	000-255	0~100%
6	Strobe	000-010 011-255	NO Function Slow to Fast
7	Color Macro+	000-010	No Function
	White	011-030	R 100% G 0~100% B 0
	Balance	031-050	R 100%~0 G 100% B 0
		051-070	R 0 G 100% B 0~100%
		071-090	R 0 G 100%~0 B 100%

		091-110	R 0~100% G 0 B 100%
		111-130	R 100% G 0 B 100%~0
		131-150	R 100% G 0~100% B 0~100%
		151-170	R 100%~0 G 100%~0 B 100%
		171-200	R 100% G 100% B 100% W 100%
		201-205	Color temperature1
		206-210	Color temperature2
		211-215	Color temperature3
		216-220	Color temperature4
		221-225	Color temperature5
		226-230	Color temperature6
		231-235	Color temperature7
		236-240	Color temperature8
		241-245	Color temperature9
		246-250	Color temperature10
		251-255	Color temperature11
8	Auto programs	000-051	No Function
		052-101	Auto Program 1
		102-152	Auto Program 2
		153-203	Auto Program 3
		204-254	Auto Program 4
		255	Auto Program 0（Auto Program1-4）
9	Auto speed	000-255	Auto speed slow to fast
10	Dimmer speed mode	000-051	Preset dimmer speed from display menu
		052-101	Dimmer speed mode off
		102-152	Dimmer speed mode1 (fast speed)
		153-203	Dimmer speed mode2 (middle speed)
		204-255	Dimmer speed mode3 (slow speed)

H,S,V			
1	H	000-255	Hue
2	S	000-255	Saturation
3	V	000-255	Value(Brightness)

H,S,I			
1	H	000-255	Hue
2	S	000-255	Saturation
3	I	000-255	Intensity

4.0 Technical Specifications

OPTICS	
LED Specification	CREE WW 2700K 3W
LED quantity	4 PCS
Field Angle	Zoom from 20° to 40°
Beam Angle	Zoom from 15° to 30 °
Output	1736 lux/ 3m /15° 625 lux / 3m / 30°

Control	
Control method	WDMX or DMX
WDMX Compatibility	Wireless Solution
DMX Channels	4,6,10, HSV and HSI
Dimming Curves	4 Modes
Dimming Resolution	16 bit
Data Connections	5 pin DMX, Built in Wireless Solution

Electrical	
Power	Lithium Battery, Neutrik PowerCon IN
Battery Specifications	Lithium Battery, 14.8V, 13.2AH
Working Hours	9 hours at 100%
Charging hours	6 hours
Charging	Flight case and built in PowerCon
Charging during use	YES
Input Voltage AC	110V-240V AC 50/60 Hz auto-ranging
Power Consumption	50W
Fuse	N/A

Hercules

Physical	
Hercules Weight	5.5KG
Hercules Size	312 x 250 x 108mm
Cooling System	Fan-free
IP Rating	IP44